

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1929	((mouth (oral with cavity)) and (bristle with (head body)) ((radiation light) with source with bristle) and (bristle with (fluorescent luminescent lasing)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/01/15 10:38
L2	5902	((128/898) or (607/88-94)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/15 10:26
L3	8	1 and 2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/01/15 10:26
L4	6	2 and (bristle with (fluorescent luminescent lasing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/01/15 10:29
L5	55	((mouth (oral with cavity)) and (bristle with (head body)) ((radiation light) with source with bristle) and (bristle with (fluorescent luminescent lasing))).clm.	US-PGPUB	OR	ON	2007/01/15 10:38
L6	5	5 and (bristle with (fluorescent luminescent lasing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/01/15 10:35
L7	0	((mouth (oral with cavity)) and (bristle with (head body)) and ((radiation light) with source with bristle) and (bristle with (fluorescent luminescent lasing))).clm.	US-PGPUB	OR	ON	2007/01/15 10:38
L8	10	((mouth (oral with cavity)) and (bristle with (head body)) and ((radiation light) with source with bristle) and (bristle with (fluorescent luminescent lasing)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/01/15 10:38
L9	0	((mouth (oral with cavity)) and (bristle with (head body)) and ((radiation light) with source with bristle) and (bristle with (fluorescent luminescent lasing))).clm.	US-PGPUB	OR	ON	2007/01/15 10:41
S1	2	("6648904").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/26 12:47

## EAST Search History

S2	3	((("6,162,055") or ("6,343,933") or ("20040143920")).PN.	US-PGPUB; USPAT	OR	OFF	2005/09/26 12:47
S3	26	((("1,590,283") or ("3,261,978") or ("3,667,454") or ("4,333,197") or ("4,784,135") or ("4,930,504") or ("5,030,090") or ("5,171,564") or ("5,369,831") or ("5,561,881") or ("5,611,793") or ("5,616,140") or ("5,658,148") or ("5,673,451") or ("5,974,616") or ("5,026,828") or ("5,029,304") or ("5,056,548") or ("5,086,363") or ("5,106,294") or ("5,135,774") or ("5,290,496") or ("5,387,353") or ("3,471,716") or ("5,503,486") or ("20020914754") or ("20020081555")).PN.	US-PGPUB; USPAT	OR	OFF	2005/09/26 13:21
S4	4279	hideyo.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/26 13:22
S5	2	S4 and toothbrush	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/29 05:52
S6	19684	toothbrush	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/26 14:02
S7	988	toothbrush and bristle and (radiation light laser optical)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/26 14:02
S8	230	S7 and (radiation light laser optical). ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/27 10:17
S9	179	S8 and @AD<"20030210"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/02 09:41
S10	2	("20040193236").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/27 06:53

## EAST Search History

S11	11	("3261978"   "5030090"   "5306143"   "5382163"   "5658148"   "5894620"   "6026828"   "6029304"   "6343400"   "6485300").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 08:38
S19	988	toothbrush and bristle and (radiation light laser optical)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/27 10:18
S20	230	S19 and (radiation light laser optical).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/27 10:18
S21	33	S20 and ((two least plurality) with wavelength)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/27 11:54
S22	5	S20 and (motion with (sensor detector))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/27 13:19
S23	2	("20040204745").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/27 12:10
S24	9	S20 and (contact with (sensor detector))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/27 13:38
S25	7	S20 and (diagnostic with (sensor detector))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/27 13:38
S26	17	("4661070"   "4779173"   "4952143"   "5003434"   "5030090"   "5030093"   "5032178"   "5055048"   "5160194"   "5306143"   "5645428"   "5658148"   "5813855"   "5879159"   "5894620"   "6056548"   "6089740").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/28 06:33

## EAST Search History

S27	4	((("2004147984") or ("2004162596"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/28 06:42
S28	4	((("20040147984") or ("20040162596"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/28 06:42
S29	13	(total adj internal adj reflection) and Altshuler.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/28 09:53
S30	38	(US-20010024777-\$ or US-20030059738-\$ or US-20030084534-\$ or US-20030104340-\$ or US-20040019990-\$ or US-20040143920-\$ or US-20040193236-\$ or US-20040162596-\$ or US-20040147984-\$).did. or (US-3667454-\$ or US-4333197-\$ or US-4779173-\$ or US-5030090-\$ or US-5133102-\$ or US-5160194-\$ or US-5306143-\$ or US-5369831-\$ or US-5658148-\$ or US-5813855-\$ or US-6026828-\$ or US-6029303-\$ or US-6029304-\$ or US-6056548-\$ or US-6202242-\$ or US-6290496-\$ or US-6343400-\$ or US-6561808-\$ or US-6606755-\$ or US-6616451-\$ or US-6623272-\$ or US-6862771-\$ or US-6902397-\$ or US-6273884-\$). did. or (DE-4002647-\$ or EP-593375-\$ or WO-9510243-\$ or DE-29621445-\$ or DE-29900775-\$). did.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/09/28 12:18
S31	2	S30 and (heat with sink)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/28 09:58
S32	11	S30 and (heat thermal\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/28 09:59

## EAST Search History

S33	13	S30 and (delivery port)	US-PGPUB; USPAT; DERWENT	OR	ON	2005/09/28 12:23
S34	1	S30 and (delivery adj port)	US-PGPUB; USPAT; DERWENT	OR	ON	2005/09/28 12:20
S35	0	S30 and (delivery with toothpaste)	US-PGPUB; USPAT; DERWENT	OR	ON	2005/09/28 12:21
S36	2	S30 and (delivery with photosensitizer)	US-PGPUB; USPAT; DERWENT	OR	ON	2005/09/28 12:21
S37	7	S30 and (lumen port)	US-PGPUB; USPAT; DERWENT	OR	ON	2005/09/28 12:29
S38	19	S30 and (agent drug sensitizer photosensitizer)	US-PGPUB; USPAT; DERWENT	OR	ON	2005/09/28 12:30
S39	38	(US-20010024777-\$ or US-20030059738-\$ or US-20030084534-\$ or US-20030104340-\$ or US-20040019990-\$ or US-20040143920-\$ or US-20040147984-\$ or US-20040162596-\$ or US-20040193236-\$).did. or (US-3667454-\$ or US-4333197-\$ or US-4779173-\$ or US-5030090-\$ or US-5133102-\$ or US-5160194-\$ or US-5306143-\$ or US-5369831-\$ or US-5658148-\$ or US-5813855-\$ or US-6026828-\$ or US-6029303-\$ or US-6029304-\$ or US-6056548-\$ or US-6202242-\$ or US-6273884-\$ or US-6290496-\$ or US-6343400-\$ or US-6561808-\$ or US-6606755-\$ or US-6616451-\$ or US-6623272-\$ or US-6862771-\$ or US-6902397-\$). did. or (DE-4002647-\$ or EP-593375-\$ or WO-9510243-\$ or DE-29621445-\$ or DE-29900775-\$). did.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/09/29 05:39

## EAST Search History

S40	29	(US-20040143920-\$ or US-20020081555-\$).did. or (US-5658148-\$ or US-5030090-\$ or US-3667454-\$ or US-5369831-\$ or US-4333197-\$ or US-6343933-\$ or US-6162055-\$ or US-5974616-\$ or US-5673451-\$ or US-5616140-\$ or US-5290496-\$ or US-5171564-\$ or US-5135774-\$ or US-5611793-\$ or US-5561881-\$ or US-5503486-\$ or US-5029304-\$ or US-5026828-\$ or US-4930504-\$ or US-5387353-\$ or US-5106294-\$ or US-5086363-\$ or US-5056548-\$ or US-4784135-\$ or US-3471716-\$ or US-3261978-\$). did. or (US-1590283-\$).did.	US-PGPUB; USPAT	OR	ON	2005/09/29 05:39
S41	32	S39 not S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/29 05:40
S42	3176	((607/88-89) or (433/29,215)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/29 05:52
S43	121	S42 and toothbrush	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/29 06:05
S44	1	("6648904").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/02 06:23
S45	4901	(optical with fiber) and (total adj internal adj reflection)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/02 10:16
S46	3743	S45 and @AD<"20030210"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/02 09:41
S47	4	S46 and toothbrush	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/02 09:41

## EAST Search History

S48	1708	(optical with fiber) and ((total adj internal adj reflection) with fiber)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/02 09:48
S49	2	S48 and (radiate with contact)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/02 10:12
S50	24	S48 and anderson.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/02 09:54
S51	295	S48 and (control with (output radiation))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/02 09:55
S52	207	S51 and contact	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/02 09:55
S53	35	S52 and ((no "not") with contact)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/02 09:56
S54	39	S48 and ((tissue skin) with contact)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/02 10:17
S55	475	(frustrated with (total adj internal adj reflection))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/02 10:17
S56	39	S55 and ((tissue skin) with contact)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/02 10:35
S57	2076	S46 and (index with refraction)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/02 10:35
S58	79	S57 and ((tissue skin) with contact)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/02 10:35
S59	74	S58 not S56	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/02 10:35

## EAST Search History

S60	62	S59 not S54	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/02 10:36
S61	38	(US-20040143920-\$ or US-20040019990-\$ or US-20030084534-\$ or US-20030059738-\$ or US-20030104340-\$ or US-20010024777-\$ or US-20040193236-\$ or US-20040147984-\$ or US-20040162596-\$).did. or (US-5658148-\$ or US-5369831-\$ or US-5030090-\$ or US-4333197-\$ or US-3667454-\$ or US-6902397-\$ or US-6623272-\$ or US-6862771-\$ or US-6606755-\$ or US-6616451-\$ or US-6561808-\$ or US-6290496-\$ or US-6343400-\$ or US-6056548-\$ or US-6202242-\$ or US-6029303-\$ or US-6026828-\$ or US-5813855-\$ or US-6029304-\$ or US-5306143-\$ or US-5160194-\$ or US-5133102-\$ or US-4779173-\$ or US-6273884-\$ or US-6137928-\$ or US-6129723-\$). did. or (DE-29900775-\$ or DE-29621445-\$ or WO-9510243-\$). did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/05/02 11:58
S62	5	S61 and diffuse\$	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/02 11:59



## EAST Search History

S63	81	( "20030101526"   "20030104340"   "20040048224"   "20040053190"   "2397757"   "2688971"   "3261978"   "3667454"   "4526570"   "4668712"   "4779173"   "4861484"   "4966759"   "4983379"   "5030090"   "5160194"   "5174877"   "5256616"   "5294315"   "5306143"   "5308458"   "5340581"   "5427770"   "5516492"   "5518992"   "5538715"   "5547823"   "5611793"   "5616532"   "5622501"   "5652274"   "5658148"   "5683589"   "5686064"   "5698177"   "5707915"   "5728756"   "5755867"   "5785521"   "5790934"   "5813855"   "5851551"   "5853866"   "5854169"   "5874701"   "5880067"   "5894620"   "5903951"   "5906834"   "5994268"   "5998431"   "6013372"   "6026828"   "6027797"   "6029304"   "6034152"   "6037289"   "6051194"   "6063343"   "6090489"   "6093676"   "6094767"   "6135838"   "6136186"   "6139803"   "6165327"   "6210779"   "6211112"   "6214195"   "6221259"   "6235351"   "6268050"   "6277346"   "6281265"   "6290496"   "6294246"   "6294247"   "6318996").PN. OR ("6902397"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/02 13:14
S64	62	toothbrush and (tapered adj bristle)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/03 06:27